

ABSTRACT

A system for converting a first and a second signal representative of payload and supervisory information, respectively, between an electrical format (PL, S) and a WDM optical format, includes:

- a first converter (L1, P1) for converting the first signal between the electrical format (P, L) and a first disaggregated optical format,
- 10 - a second converter (L2, P2) for converting the second signal between the electrical format (S) and a second disaggregated optical format, and
- 15 - an optical WDM converter (WDM-C, WDM-S) for converting the first and second signals between the aforesaid first and second disaggregated optical formats and the WDM aggregated optical format.

The first converter (L1, P1), the second converter (L2, P2) and the optical WDM converter (WDM-C, WDM-S) are integrated to a single self-contained module (TM1, RM1). The arrangement is adapted to be implemented as a transmitter, a receiver as well as a transceiver module.